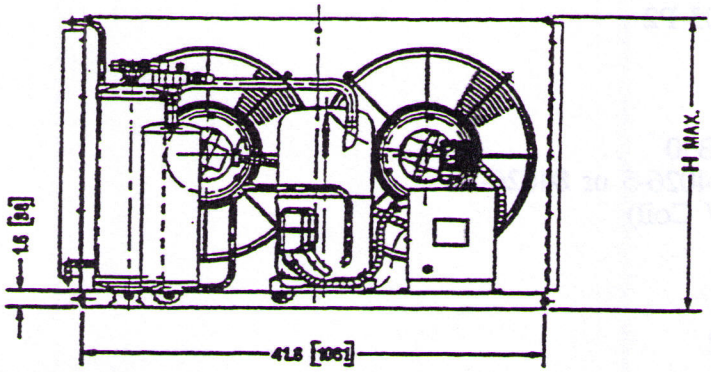
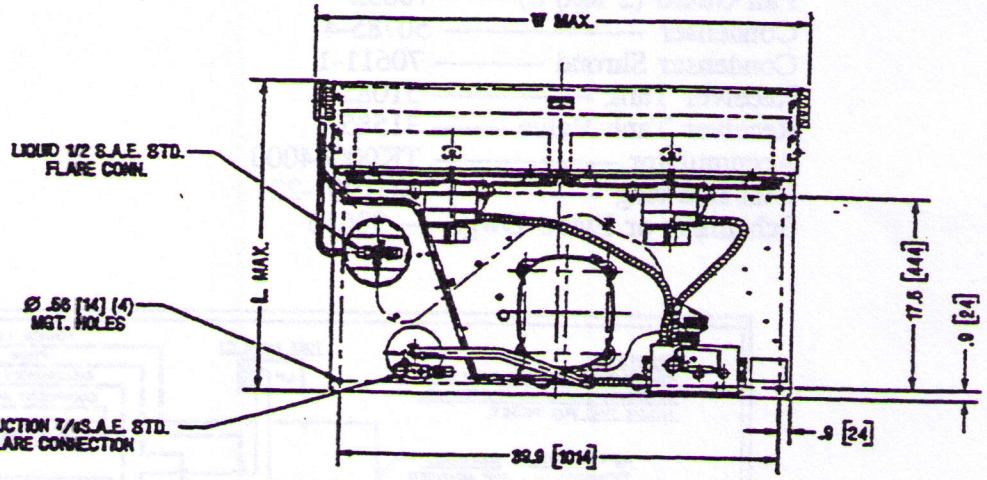
TECUMSEH HERMETIC CONDENSING UNITS

Date: 9-1-95

MODEL AGA4553EXTXM (Formerly AG4553EM) R-22 4 HP AIR COOLED





NOTE: DIMENSIONING = INCHES [MILLIMETERS]

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AGA4553EXTXM	28.8	44.9	26.9	18.9	7/8 C	1/2 F	29.7#	4200	65	365

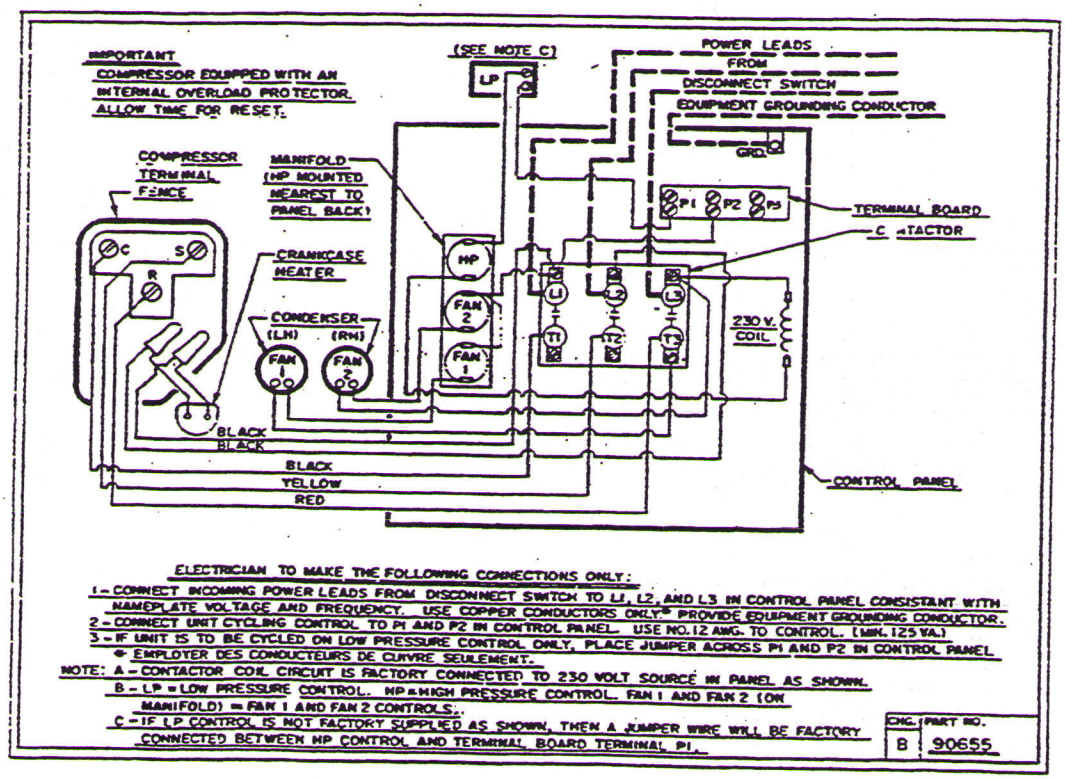
*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections C = Compression Fitting
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED** **60 HZ PERFORMANCE**

Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
+20	43.0	35000	4200	236	32100	4250	267	27100	4320	293
+30	54.8	41500	4900	253	38550	5000	281	36200	5100	312
+40	68.5	49200	5650	270	46000	5750	300	42700	5900	328
+45	76.0	53000	6000	281	49650	6150	312	46350	6350	338
+50	84.0	56000	6350	293	52500	6550	320	49100	6750	350

Date: 9-1-95

SPECIFICATIONS **AGA4553EXTXM**

- Nominal Voltage ——— 230/200-60-3
- Unit B/M ——— 2A4053-1
- Voltage Range ——— 253 to 180
- Min. Circuit Ampacity ——— 23.7
- Max. Fuse Size (Amps) ——— 40
- Compressor Model ——— AGA5553EXT
  - Bill of Material ——— AG122RT-003-P2
  - RLA/LRA ——— 16.5/103.0
  - Overload ——— Internal
- Fan Motor (2 Req'd) ——— 810S124B38
  - Alternate (2 Req'd.) ——— 810G124B30
- Pressure Controls —— High 84076-2, Low - 84026-5 or 84026-2
- Contactor ——— 90976-3 (25 Amp - 230V Coil)
- Crankcase Heater —— 90699
- Fan Controls ——— 84077-3 & -4
- Control Panel Assy. —— AC1114-24
- Fan Blade (2 Req'd) ——51529-2
- Fan Guard (2 Req'd) ——70832
- Condenser ——— 50785-4
- Condenser Shroud ——— 70611-1
- Receiver Tank ——— 51082-2
- Receiver Tank Valve —— 31585
- Accumulator ——— TK00044000
- Unit Drawing ——— SU1901-22
- Schematic or Elect. Dwg. —— 90655


IMPORTANT
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
(SEE NOTE C)
LP
POWER LEADS FROM DISCONNECT SWITCH
EQUIPMENT GROUNDING CONDUCTOR
GRD.
COMPRESSOR TERMINAL FENCE
MANIFOLD (HP MOUNTED NEAREST TO PANEL BACK)
P1 P2 P3
TERMINAL BOARD
C CONTACTOR
CRANKCASE HEATER
HP
FAN 2
FAN 1
L1 L2 L3
T1 T2 T3
230 V. COIL
CONDENSER (LH) (RH)
FAN 1 FAN 2
C S R
BLACK
BLACK
BLACK
YELLOW
RED
CONTROL PANEL
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1 - CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2, AND L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. PROVIDE EQUIPMENT GROUNDING CONDUCTOR.
2 - CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE NO. 12 AWG. TO CONTROL. (MIN. 125 VA.)
3 - IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.
NOTE: A - CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 VOLT SOURCE IN PANEL AS SHOWN.
B - LP = LOW PRESSURE CONTROL. HP = HIGH PRESSURE CONTROL. FAN 1 AND FAN 2 (ON MANIFOLD) = FAN 1 AND FAN 2 CONTROLS.
C - IF LP CONTROL IS NOT FACTORY SUPPLIED AS SHOWN, THEN A JUMPER WIRE WILL BE FACTORY CONNECTED BETWEEN HP CONTROL AND TERMINAL BOARD TERMINAL P1.
CHG. 8
PART NO. 90655